

60137-045  
185-3061-U**AMENDMENTS TO THE SPECIFICATION:**

Please replace the following numbered paragraphs with the following rewritten paragraphs:

- [19] Referring to Figure 3, each of the vanes 40 includes a plurality of steps 42. The steps 42 are located upon the leading side of the vanes 40. That is, the mixer is rotated in a first direction (illustrated by arrow D) and the steps 42 lead the direction of rotation D. The steps 42 preferably step down as they approach the inner diameter 44 of the mix chamber 28. It should be understood that the term "step" includes other than perpendicularly related projections and that other projections which extend from the vanes and serve to agitate the fluid material components will also benefit from the present invention.
- [20] The steps 42 define multiple line contacts with the multiple fluid material components (illustrated schematically at F; Figure 4) within the mix chamber 28. As the mixer 34 is rotated within the mix chamber 28, interaction of the fluid material with the sequence of steps 42 rapidly mixes the multiple fluid material components therein. In other words, the fluid material components F will tend to be driven outward toward the inner diameter 44 of the mix chamber 28 while being agitated along the series of steps 42.
- [23] Referring to Figure 5, a fixed mixer 54 is preferably fixed within the mix chamber 28 to guide the mixer 34 along axis A. The input ports 30 are preferably arranged adjacent the fixed mixer 54. The fixed mixer 54 defines an outer configuration identical to that of the mixer 34 such that the fixed mixer mixer 54 operates as a plug when the plunger 44 is retracted to contain the fluid material opposite the output port 32. Moreover, the mixer 34 need only be rotationally aligned with the fixed mixer 54 prior to actuation of the plunger 44. Sensors (not shown) in communication with the controller 23 (Figure 1) are located on the fixed mixer 54 to assure alignment between the fixed mixer 54 and the mixer 34 prior to activation of the plunger 44.